



PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/868,885B

DATE: 05/23/2002
TIME: 16:09:00

Input Set : A:\EP.txt
Output Set: N:\CRF3\05232002\I868885B.raw

ENTERED

3 <110> APPLICANT: Takeda Chemical Industries, Ltd.
W--> 4 <120> TITLE OF INVENTION: Use of Peptide
W--> 5 <130> FILE REFERENCE: 2584WO0P
C--> 6 <140> CURRENT APPLICATION NUMBER: US/09/868,885B
C--> 6 <141> CURRENT FILING DATE: 2002-04-17
6 <150> PRIOR APPLICATION NUMBER: JP 10-369585
7 <151> PRIOR FILING DATE: 1998-12-25
W--> 8 <160> NUMBER OF SEQ ID: 45
W--> 9 <210> SEQ ID NO: 1
10 <211> LENGTH: 98
11 <212> TYPE: PRT
12 <213> ORGANISM: Bovine
W--> 13 <400> SEQUENCE: 1
14 Met Lys Ala Val Gly Ala Trp Leu Leu Cys Leu Leu Leu Leu Gly Leu
15 1 5 10 15
16 Ala Leu Gln Gly Ala Ala Ser Arg Ala His Gln His Ser Met Glu Ile
17 20 25 30
18 Arg Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg
19 35 40 45
20 Pro Val Gly Arg Phe Gly Arg Arg Ala Ala Pro Gly Asp Gly Pro
21 50 55 60
22 Arg Pro Gly Pro Arg Arg Val Pro Ala Cys Phe Arg Leu Glu Gly Gly
23 65 70 75 80
24 Ala Glu Pro Ser Arg Ala Leu Pro Gly Arg Leu Thr Ala Gln Leu Val
25 85 90 95
26 Gln Glu
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 294
29 <212> TYPE: DNA
30 <213> ORGANISM: Bovine
W--> 31 <400> SEQUENCE: 2
C--> 32 atgaaggcgg tgggggcctg gctcctctgc ctgctgctgc tgggcctggc cctgcagggg 60
33 gctgccagca gagccacca gcactccatg gagatccgca ccccgacat caaccctgcc 120
34 tggtagcgrg gccgtgggat ccggcccgtg ggccgcttcg gccggcgaag agctgcccgy 180
35 ggggacggac ccaggcctgg ccccgggcgt gtgcccgcct gcttcgcct ggaaggcgyy 240
36 gctgagccct cccgagccct cccggggcgg ctgacggccc agctggtcca ggaa 294
37 <210> SEQ ID NO: 3
38 <211> LENGTH: 31
39 <212> TYPE: PRT
40 <213> ORGANISM: Bovine
W--> 41 <400> SEQUENCE: 3
42 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
43 1 5 10 15

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44 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
45                20                25                30
46 <210> SEQ ID NO: 4
47 <211> LENGTH: 32
48 <212> TYPE: PRT
49 <213> ORGANISM: Bovine
W--> 50 <400> SEQUENCE: 4
51 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
52 1                5                10                15
53 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
54                20                25                30
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 33
57 <212> TYPE: PRT
58 <213> ORGANISM: Bovine
W--> 59 <400> SEQUENCE: 5
60 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
61 1                5                10                15
62 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
63                20                25                30
64 Arg
65 33
66 <210> SEQ ID NO: 6
67 <211> LENGTH: 20
68 <212> TYPE: PRT
69 <213> ORGANISM: Bovine
W--> 70 <400> SEQUENCE: 6
71 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
72 1                5                10                15
73 Val Gly Arg Phe
74                20
75 <210> SEQ ID NO: 7
76 <211> LENGTH: 21
77 <212> TYPE: PRT
78 <213> ORGANISM: Bovine
W--> 79 <400> SEQUENCE: 7
80 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
81 1                5                10                15
82 Val Gly Arg Phe Gly
83                20
84 <210> SEQ ID NO: 8
85 <211> LENGTH: 22
86 <212> TYPE: PRT
87 <213> ORGANISM: Bovine
W--> 88 <400> SEQUENCE: 8
89 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
90 1                5                10                15
91 Val Gly Arg Phe Gly Arg
92                20

```

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93 <210> SEQ ID NO: 9
94 <211> LENGTH: 93
95 <212> TYPE: DNA
96 <213> ORGANISM: Bovine
W--> 97 <400> SEQUENCE: 9
C--> 98 agcagagccc accagcactc catggagatc cgcacccccg acatcaaccc tgccctggtac 60
99 gcrggccgtg ggatccggcc cgtgggccgc ttc 93
100 <210> SEQ ID NO: 10
101 <211> LENGTH: 96
102 <212> TYPE: DNA
103 <213> ORGANISM: Bovine
W--> 104 <400> SEQUENCE: 10
C--> 105 agcagagccc accagcactc catggagatc cgcacccccg acatcaaccc tgccctggtac 60
106 gcrggccgtg ggatccggcc cgtgggccgc ttcggc 96
107 <210> SEQ ID NO: 11
108 <211> LENGTH: 99
109 <212> TYPE: DNA
110 <213> ORGANISM: Bovine
W--> 111 <400> SEQUENCE: 11
C--> 112 agcagagccc accagcactc catggagatc cgcacccccg acatcaaccc tgccctggtac 60
113 gcrggccgtg ggatccggcc cgtgggccgc ttcggccg 99
114 <210> SEQ ID NO: 12
115 <211> LENGTH: 60
116 <212> TYPE: DNA
117 <213> ORGANISM: Bovine
W--> 118 <400> SEQUENCE: 12
C--> 119 acccccgaca tcaaccctgc ctggtacgcr ggccgtggga tccggcccgt gggccgcttc 60
120 <210> SEQ ID NO: 13
121 <211> LENGTH: 63
122 <212> TYPE: DNA
123 <213> ORGANISM: Bovine
W--> 124 <400> SEQUENCE: 13
C--> 125 acccccgaca tcaaccctgc ctggtacgcr ggccgtggga tccggcccgt gggccgcttc 60
126 ggc 63
127 <210> SEQ ID NO: 14
128 <211> LENGTH: 66
129 <212> TYPE: DNA
130 <213> ORGANISM: Bovine
W--> 131 <400> SEQUENCE: 14
C--> 132 acccccgaca tcaaccctgc ctggtacgcr ggccgtggga tccggcccgt gggccgcttc 60
133 ggcgg 66
134 <210> SEQ ID NO: 15
135 <211> LENGTH: 98
136 <212> TYPE: PRT
137 <213> ORGANISM: Bovine
W--> 138 <400> SEQUENCE: 15
139 Met Lys Ala Val Gly Ala Trp Leu Leu Cys Leu Leu Leu Gly Leu
140 1 5 10 15
141 Ala Leu Gln Gly Ala Ala Ser Arg Ala His Gln His Ser Met Glu Ile

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142          20          25          30
143 Arg, Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg
144          35          40          45
145 Pro Val Gly Arg Phe Gly Arg Arg Arg Ala Ala Leu Gly Asp Gly Pro
146          50          55          60
147 Arg Pro Gly Pro Arg Arg Val Pro Ala Cys Phe Arg Leu Glu Gly Gly
148 65          70          75          80
149 Ala Glu Pro Ser Arg Ala Leu Pro Gly Arg Leu Thr Ala Gln Leu Val
150          85          90          95
151 Gln Glu
152 <210> SEQ ID NO: 16
153 <211> LENGTH: 83
154 <212> TYPE: PRT
155 <213> ORGANISM: Rat
W--> 156 <400> SEQUENCE: 16
157 Met Ala Leu Lys Thr Trp Leu Leu Cys Leu Leu Leu Leu Ser Leu Val
158 1          5          10          15
159 Leu Pro Gly Ala Ser Ser Arg Ala His Gln His Ser Met Glu Thr Arg
160          20          25          30
161 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
162          35          40          45
163 Val Gly Arg Phe Gly Arg Arg Arg Ala Thr Pro Arg Asp Val Thr Gly
164          50          55          60
165 Leu Gly Gln Leu Ser Cys Leu Pro Leu Asp Gly Arg Thr Lys Phe Ser
166 65          70          75          80
167 Gln Arg Gly
168 <210> SEQ ID NO: 17
169 <211> LENGTH: 249
170 <212> TYPE: DNA
171 <213> ORGANISM: Rat
W--> 172 <400> SEQUENCE: 17
C--> 173 atggccctga agacgtggct tctgtgcttg ctgctgctaa gcttggtcct cccaggggct 60
174 tccagccgag cccaccagca ctccatggag acaagaaccc ctgatatcaa tccgtgctgg 120
175 tacacggggc gcgggatcag gcctgtgggc cgcttcggca ggagaagggc aaccccaggg 180
176 gatgtcactg gacttggcc aactcagctgc ctcccactgg atggacgcac caagttctct 240
177 cagcgtgga 249
178 <210> SEQ ID NO: 18
179 <211> LENGTH: 31
180 <212> TYPE: PRT
181 <213> ORGANISM: Rat
W--> 182 <400> SEQUENCE: 18
183 Ser Arg Ala His Gln His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn
184 1          5          10          15
185 Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
186          20          25          30
187 <210> SEQ ID NO: 19
188 <211> LENGTH: 32
189 <212> TYPE: PRT
190 <213> ORGANISM: Rat

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W--> 191 <400> SEQUENCE: 19
192 Ser Arg Ala His Gln His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn
193 1 5 10 15
194 Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
195 20 25 30
196 <210> SEQ ID NO: 20
197 <211> LENGTH: 33
198 <212> TYPE: PRT
199 <213> ORGANISM: Rat

W--> 200 <400> SEQUENCE: 20
201 Ser Arg Ala His Gln His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn
202 1 5 10 15
203 Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
204 20 25 30
205 Arg
206 <210> SEQ ID NO: 21
207 <211> LENGTH: 20
208 <212> TYPE: PRT
209 <213> ORGANISM: Rat

W--> 210 <400> SEQUENCE: 21
211 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
212 1 5 10 15
213 Val Gly Arg Phe
214 20
215 <210> SEQ ID NO: 22
216 <211> LENGTH: 21
217 <212> TYPE: PRT
218 <213> ORGANISM: Rat

W--> 219 <400> SEQUENCE: 22
220 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
221 1 5 10 15
222 Val Gly Arg Phe Gly
223 20
224 <210> SEQ ID NO: 23
225 <211> LENGTH: 22
226 <212> TYPE: PRT
227 <213> ORGANISM: Rat

W--> 228 <400> SEQUENCE: 23
229 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
230 1 5 10 15
231 Val Gly Arg Phe Gly Arg
232 20
233 <210> SEQ ID NO: 24
234 <211> LENGTH: 93
235 <212> TYPE: DNA
236 <213> ORGANISM: Rat

W--> 237 <400> SEQUENCE: 24
C--> 238 agccgagccc accagcactc catggagaca agaaccacctg atatcaatcc tgcctggtac 60
239 acgggccgcg ggatcaggcc tgtgggccc ttc 93

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/868,885B

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Input Set : A:\EP.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:44; Xaa Pos. 3,5,10,21,22
Seq#:45; Xaa Pos. 10,11

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:44; Line(s) 404